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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/018,031

12/14/2001

Ryoichi Takahira

56937-042

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20277 7590 06/25/2008  
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EXAMINER

VENT, JAMIE J

ART UNIT

PAPER NUMBER

2621

MAIL DATE

DELIVERY MODE

06/25/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## **DETAILED ACTION**

### ***Response to Arguments***

Applicant's arguments filed May 27, 2008 have been fully considered but they are not persuasive. On pages 2-3 applicant argues that Takahashi in view of Takada fails to disclose, suggest or teach the following limitation, "input signal converting means for modulating an input signal at a timing which corresponds to a predetermined number of tracks for each signal to thereby convert said input signal into a recording signal" as recited in independent claim 1. It is noted that Takada teaches a modulated circuit as seen in Figure 46 modulator 153. As described in Column 5 Lines 21-50 the input signal is modulated and thereby amplified by the recording head amplifier and recorded on the recording medium by the magnetic heads associated with the medium. The recording is performed by a constant rate which feeds the tape according to the timing of the input data/tracks that are being recorded.

Furthermore, on pages 2-4 applicant argues that Takahashi in view of Takada fails to disclose a "recording means for rotating a head cylinder at a rotational speed lower than such rotational speed of the head cylinder that corresponds to the said timing in said modulation, wherein the recording means sets a rotational speed of said head cylinder so that each signal section may be subdivided into such a number of deletion of tracks that is obtained by dividing the predetermined number of tracks for each signal section by an integer smaller than the said number of tracks" as recited in Claim 1. Takada teaches a system wherein the modulation is based on the rate of the head cylinder as described in Column 5 Lines 21-50. Furthermore, Takahashi discloses the

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speed lowering of the recording and reproducing timing based on a calculation of tracks being recorded as disclosed in Column 4 Lines 15-67 that allows for proper recording of the reproduced signal. Furthermore, it is noted on page 3 of applicant's arguments the applicant refers to the example of the modulated output signal given in output format and converted from 10 tracks to 5 tracks. It is noted that the examiner reads the "subdivided into such a number of tracks" as recited in Claim 1 to be applied to Takahashi disclosing the magnetic heads in associate with the drum and the effect of speed, angle, and diameter all being calculated to further determine track number (Column 4 Lines 16-63). Although all of applicants' points are understood the examiner can not agree.

#### ***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMIE JO VENT whose telephone number is (571)272-7384. The examiner can normally be reached on 7:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/John W. Miller/  
Supervisory Patent Examiner, Art Unit 2623

/J. J. V./  
Examiner, Art Unit 2621